Title (en)

PROCESS FOR THE PREPARATION OF N-BENZYL-N-ISOPROPYL PIVALAMIDE

Publication

EP 0065804 B1 19841212 (DE)

Application

EP 82200607 A 19820517

Priority

DE 3120361 A 19810522

Abstract (en)

[origin: EP0065804A1] 1. A process for the production of N-benzyl-N-isopropylpivaloylamide from a benzyl halide, isopropylamine and pivaloyl chloride, characterised in that 1 mole of benzyl halide is reacted with 1.5 to 3, preferably 2, moles of isopropylamine and 1.25 to 1.75, preferably 1.5, moles of alkali metal hydroxide in the form of an aqueous solution, the concentration of which is so chosen that the alkali metal halide formed during the reaction only just remains in solution, the reaction mixture is kept for 2 to 3 hours at a temperature of 30 to 50 degrees C, the N-benzyl-N-isopropylamine obtained by distillation of the organic phase is introduced into a two-phase system consisting of a) toluene and/or any other alkylated aromatic having up to 10 C atoms in total and b) 20% strength aqueous sodium hydroxide solution, the amount being so chosen that not only is the hydrochloric acid formed during the reaction neutralised neutralised quantitatively, but the aqueous phase also remains alkaline after completion of the reaction, at a temperature of 0 to 60 degrees C, pivaloyl chloride is added, the mixture is kept for one hour at a temperature of between 0 and 60 degrees C and thereafter the product formed is isolated in a conventional manner.

IPC 1-7

C07C 103/365; C07C 102/00

IPC 8 full level

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Cited by

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